



County of Los Angeles CHIEF EXECUTIVE OFFICE

713 KENNETH HAHN HALL OF ADMINISTRATION
LOS ANGELES, CALIFORNIA 90012
(213) 974-1101
<http://ceo.lacounty.gov>

WILLIAM T FUJIOKA
Chief Executive Officer

November 20, 2007

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Board of Supervisors
GLORIA MOLINA
First District

YVONNE B. BURKE
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

Dear Supervisors:

**CHIEF INFORMATION OFFICE: AUTHORIZATION TO USE INFORMATION
TECHNOLOGY FUNDS (ITF) TO SUPPORT
LOS ANGELES REGIONAL IMAGERY ACQUISITION CONSORTIUM 2
(ALL DISTRICTS -- 3 VOTES)**

IT IS RECOMMENDED THAT YOUR BOARD:

Approve and authorize the use of \$2,000,000 from the Information Technology Fund (ITF), to encumber necessary funding and, if required, to ensure timely payment of invoices for contracts established to support the Chief Information Office's Los Angeles Regional Imagery Acquisition Consortium 2 (LAR-IAC 2). The requested funds will be returned to the ITF on receipt of committed funds from participating municipalities and other government agencies.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

In their October 22, 2007 meeting, the ITF Executive Committee voted to support utilizing \$2,000,000 in temporary funding from the ITF for the LAR-IAC 2.

The LAR-IAC is a multi-jurisdictional purchasing arrangement that enables participating governments to benefit from combined economies of scale to efficiently and cost-effectively acquire and update high definition aerial imagery. In 2005, the County established LAR-IAC 1, in partnership with ten County departments, 32 cities and six agencies, to share \$5.8 million in acquisition costs to obtain and distribute high definition aerial imagery. LAR-IAC 1 was completed on-time and within budget and resulted in direct savings exceeding \$5.7 million.

On August 15, 2006, your Board approved \$1.0 million in bridge funding that enabled LAR-IAC 1 to proceed while committed funding from participating jurisdictions was being received. At the conclusion of the LAR-IAC 1 project, all bridge funds were returned to the ITF and a \$600,000 surplus was accrued for future project updates.

Given the success of the LAR-IAC 1 project, consortia members have recommended that a planned two-year update cycle of the aerial imagery should be pursued. The ability to have updated aerial imagery every two years allows for comparative analysis to identify areas of change. This will provide participants the ability to detect and analyze changes, keep emergency responders up to date, ensure permit compliance, provide validation of planning, and support service integration and delivery across the County.

To meet this need, the Chief Information Office (CIO) has established LAR-IAC 2, which will refresh this imagery during the winter months of 2007-2008. This will result in the delivery of processed image data in the December 2008 timeframe with the finished product providing the same resolution and accuracy as LAR-IAC 1 products.

Products acquired by LAR-IAC 2 project will include:

- Aerial orthophoto (top-down) imagery with 4 inch pixel resolution in urban areas and 1 foot pixel resolution in National Forest Areas;
- Oblique (side-view) aerial imagery with 4 inch pixel resolution in urban areas;
- Updated elevation data only where development has changed the surface elevation; and
- Quality control and distribution of all imagery products from independent vendor.

It is currently anticipated that LAR-IAC 2 costs will represent a 48 percent reduction when compared to LAR-IAC 1 (\$5.8 million for LAR-IAC 1 vs. \$3.0 million for LAR-IAC 2). This cost reduction is attributed in part to the fact that not all LAR-IAC 1 data products, specifically the elevation data, needs to be refreshed. However, the largest component of savings will be derived from the selection of Pictometry International Corp. (Pictometry) through a Purchase Order (P.O.) contract for imagery acquisition, which the CIO will request the County Purchasing Agent to execute. Pictometry, who supported LAR-IAC 1, is uniquely qualified to capture digital, oblique aerial imagery, and has recently acquired the capability to capture other required data products. By utilizing this vendor, the project will be able to capture both oblique and orthophoto imagery in a single flight as opposed to the LAR-IAC 1 capture process that required two flights by different vendors. This reduction in the number of flights significantly reduces the cost to acquire the aerial imagery.

The CIO is requesting Board approval to use \$2.0 million from the ITF, which will be used as bridge funding, to supplement \$1.0 million that is available to fund the LAR-IAC 2 project, while contributions from participating jurisdictions are collected. Similar to the LAR-IAC 1 project, it is anticipated that any bridge funding used to support LAR-IAC 2 will be repaid to the ITF. The CIO advised your Board of their intent to request this funding in a memorandum dated October 15, 2007.

Should your Board approve this ITF request, the CIO will subsequently seek Board approval to amend two existing LAR-IAC 1 Agreements to support the LAR-IAC 2 project. The first amendment will provide quality control and distribution services and the second amendment will purchase reduced resolution elevation data requested and funded by the United States Geological Survey for use in the public domain.

Implementation of Strategic Plan Goals

LAR-IAC 2 supports several County Strategic Goals:

1. **Service Excellence** – Enables participating jurisdictions to improve delivery of services and information to the public.
2. **Workforce Excellence** – Provides County employees with visual decision making tools to better manage delivery of public services.
3. **Organization Effectiveness** – Eliminates redundant contracting activities allowing participating jurisdictions to concentrate on their core missions.
4. **Fiscal Responsibility** – Reduces the acquisition cost for aerial imagery by 50 percent when compared to independent procurements.

FISCAL IMPACT/FINANCING

LAR-IAC 2 will be funded by a combination of LAR-IAC 1 surplus revenues and LAR-IAC 2 participant contributions. Currently, \$1.0 million (\$600,000 from LAR-IAC 1 surplus revenues and \$400,000 in participant contributions received for LAR-IAC 2) is available to support the project. The CIO is requesting approval and authorization to temporarily use \$2.0 million from the ITF to supplement this funding. These funds will underwrite the estimated \$3.0 million in LAR-IAC 2 costs for procurement of the aerial images until such time as participant contributions can completely fund the program.

To ensure full project cost recovery, the CIO requested that participants commit to the project by signing a letter of intent to join LAR-IAC 2. As of October 1, 2007, 22 cities, nine County departments, and one federal agency have returned letters of intent resulting in a commitment of more than \$3.3 million toward LAR-IAC 2 (see table below).

Description	Commitments
County Departments	\$ 1,844,100
Municipalities	1,278,898
Other Agencies	200,000
Total	\$ 3,322,998

There are no other fiscal impacts.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

There are no legal requirements or prohibitions related to this recommended action.

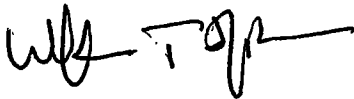
IMPACT OF CURRENT SERVICES

Approval of the requested action will support the timely update of the current imagery available to County departments and other LAR-IAC participants.

CONCLUSION

Your Board's approval of the recommended action will authorize the temporary use of monies from the ITF to encumber necessary funding for LAR-IAC 2 contracts and, if required, to ensure timely payment of invoices for successful delivery of project deliverables.

Respectfully submitted,



WILLIAM T FUJIOKA
Chief Executive Officer

WTF:LN:JWF
GM:JSL:ygd

c: County Counsel
Director, Internal Services Department
Director, Regional Planning Department
Information Systems Commission
ITF Project